

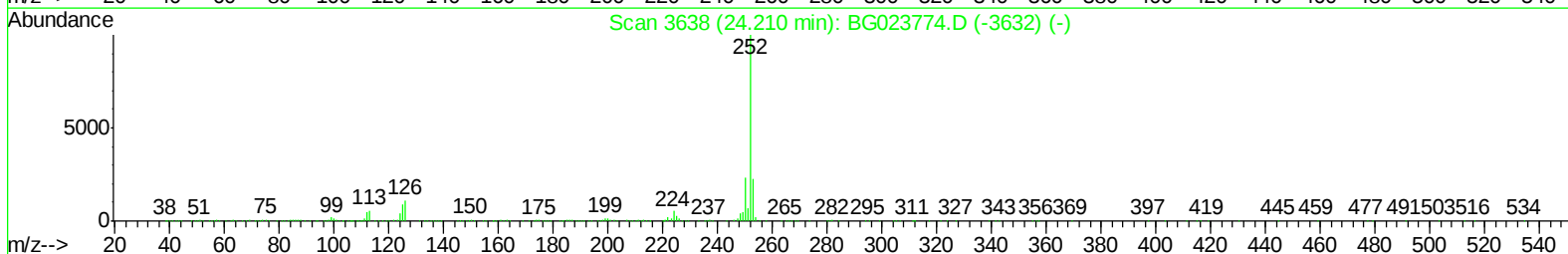
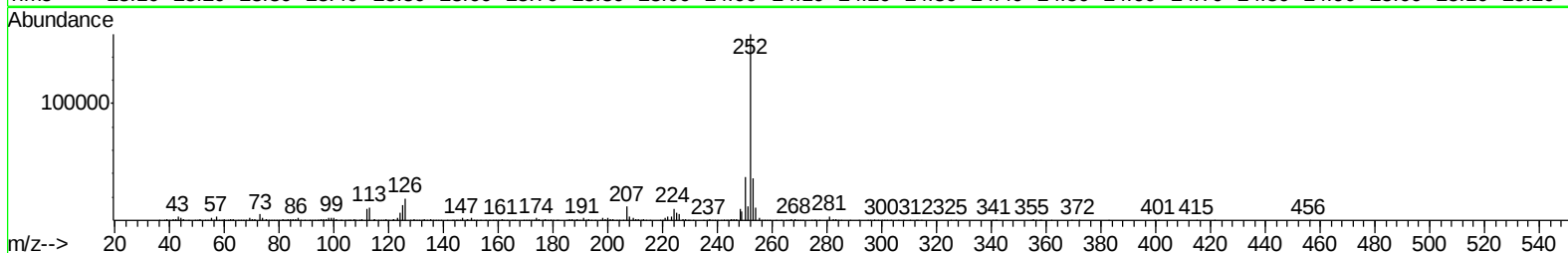
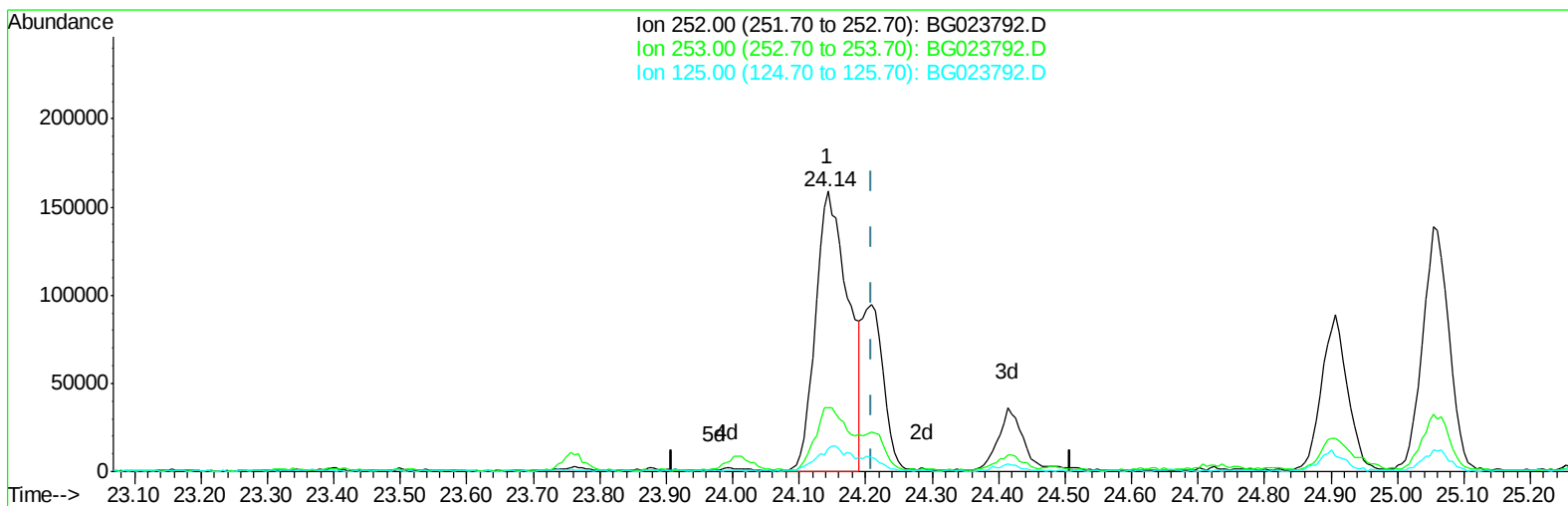
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 16:49:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(86) Benzo(k)fluoranthene

24.143min (-0.066) 14.78ng/ul

response 548365

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	22.89
125.00	13.30	8.05#
0.00	0.00	0.00

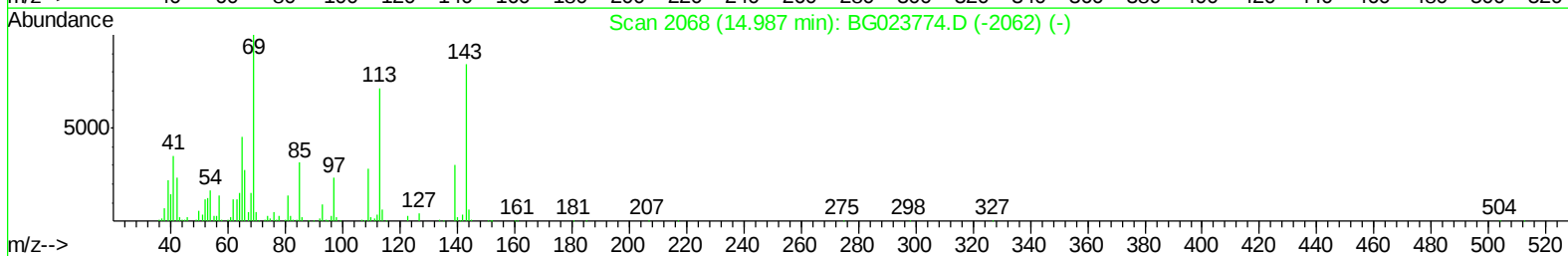
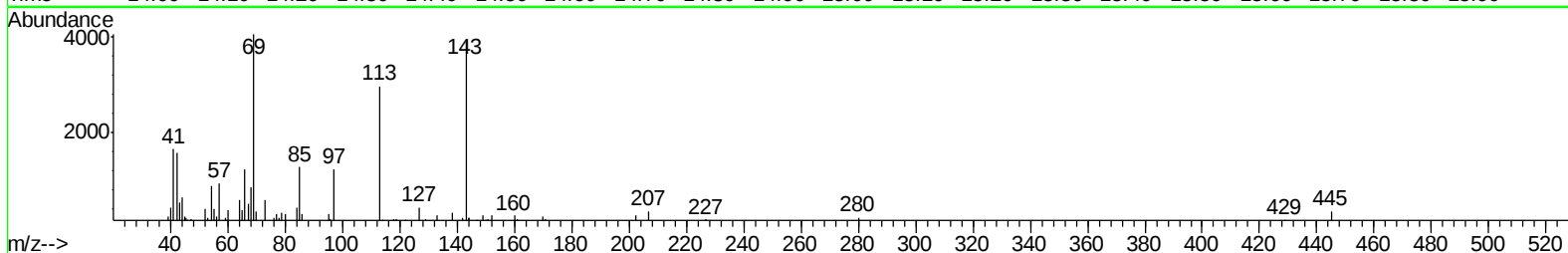
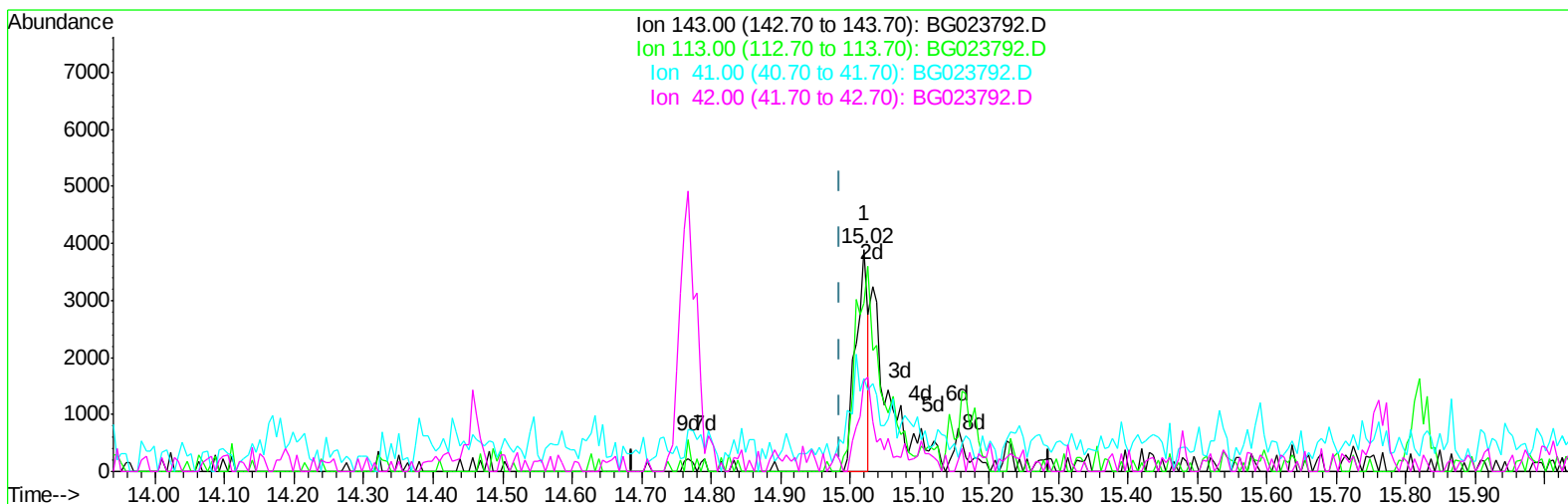
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(51) 4-Nitrophenol-d4 (S)

15.020min (+0.034) 1.41ng/ul

response 4879

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	75.93#
41.00	26.90	41.91#
42.00	16.10	40.48#

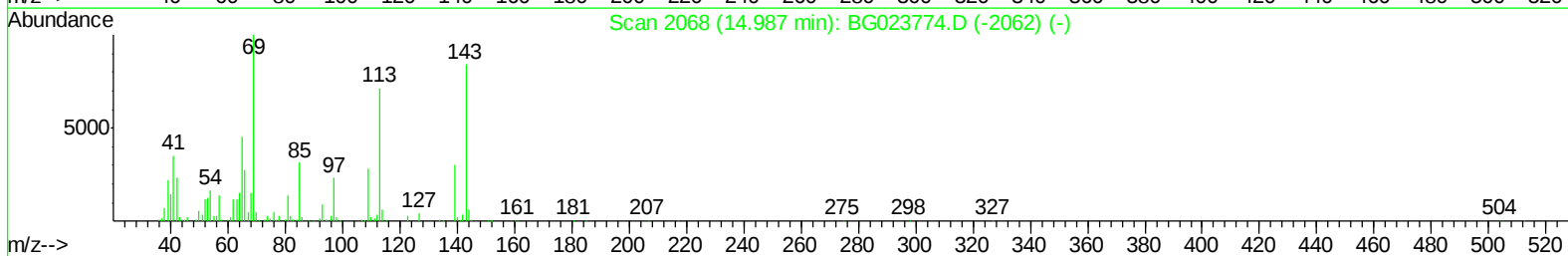
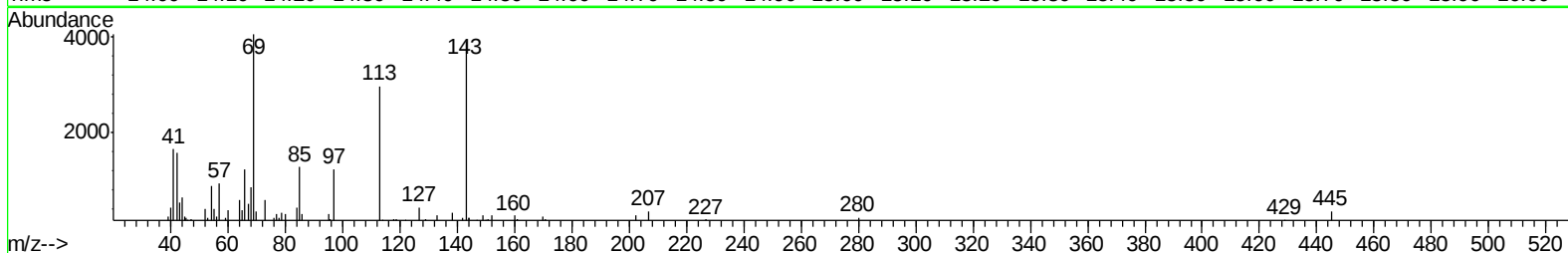
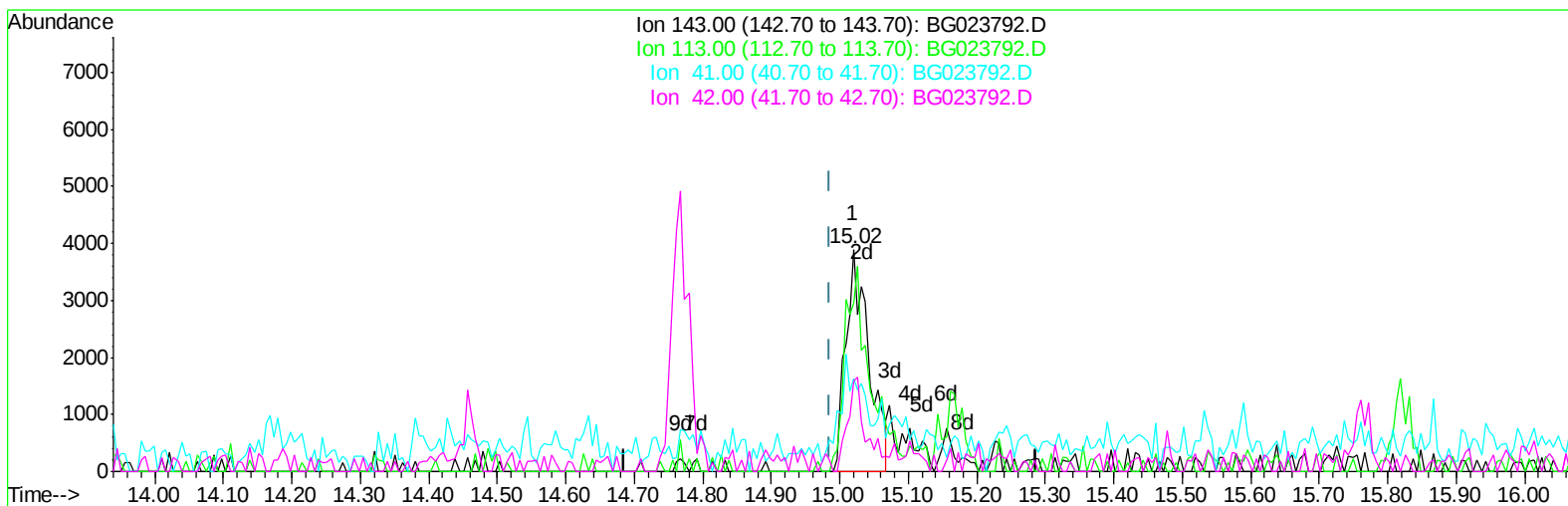
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(51) 4-Nitrophenol-d4 (S)

15.020min (+0.034) 2.66ng/ul m

response 9203

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	75.93#
41.00	26.90	41.91#
42.00	16.10	40.48#

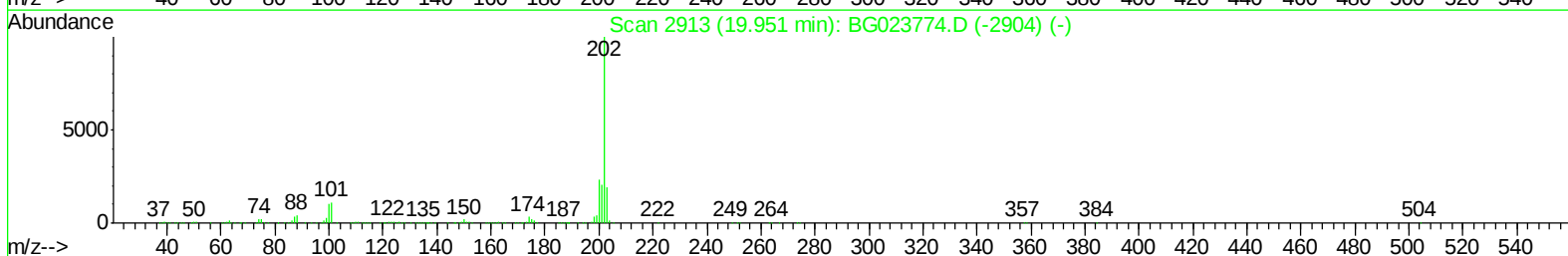
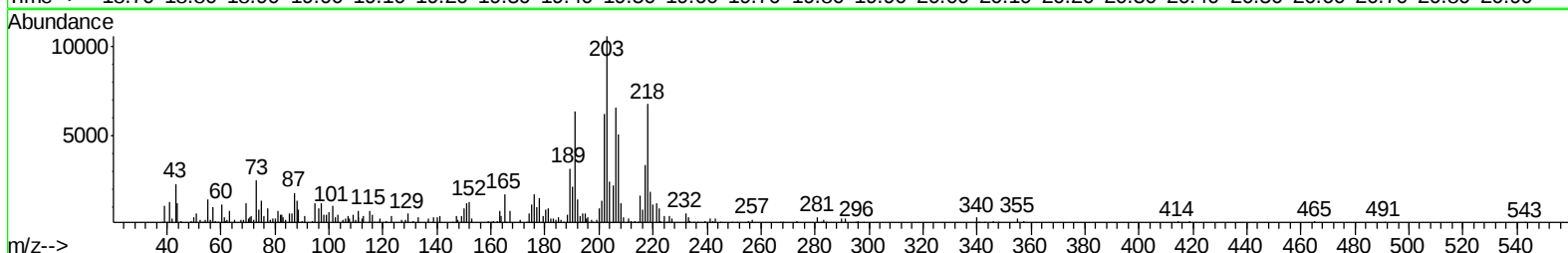
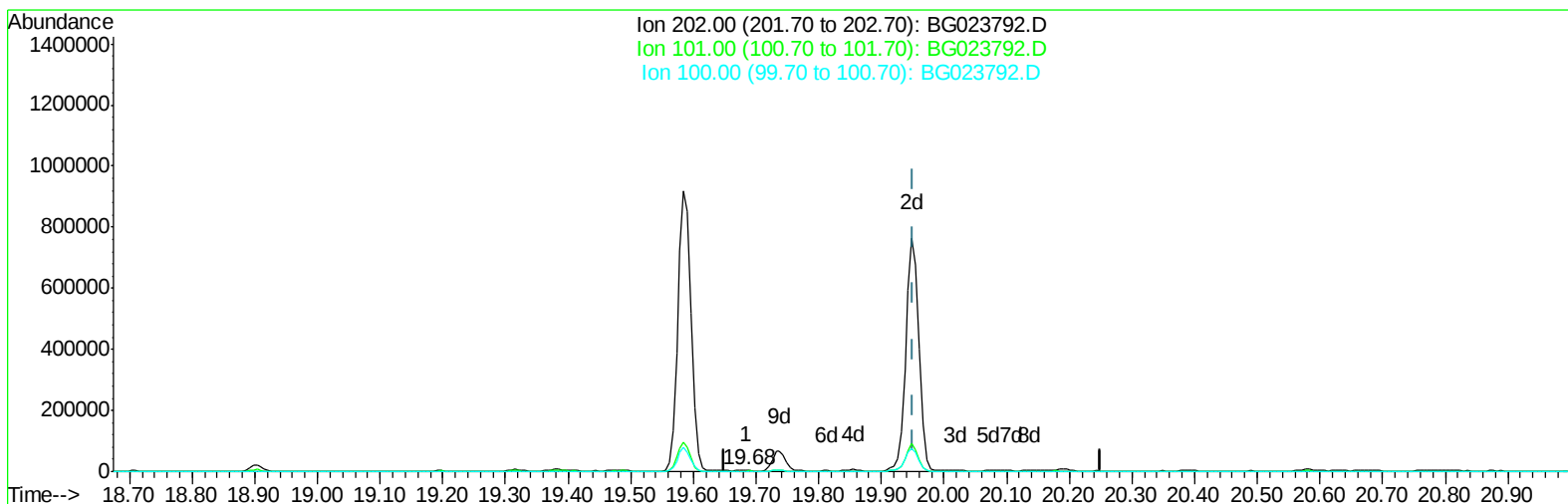
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(77) Pyrene

19.685min (-0.266) 0.13ng/ul

response 4944

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	17.36
100.00	12.80	11.26
0.00	0.00	0.00

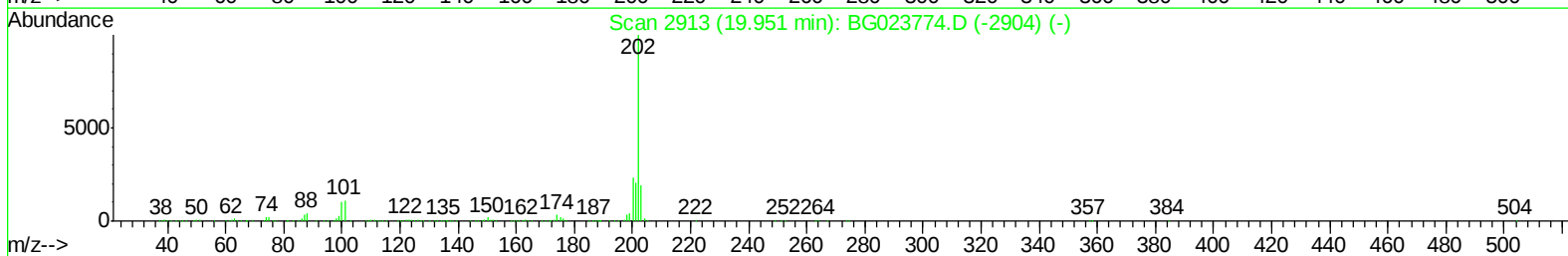
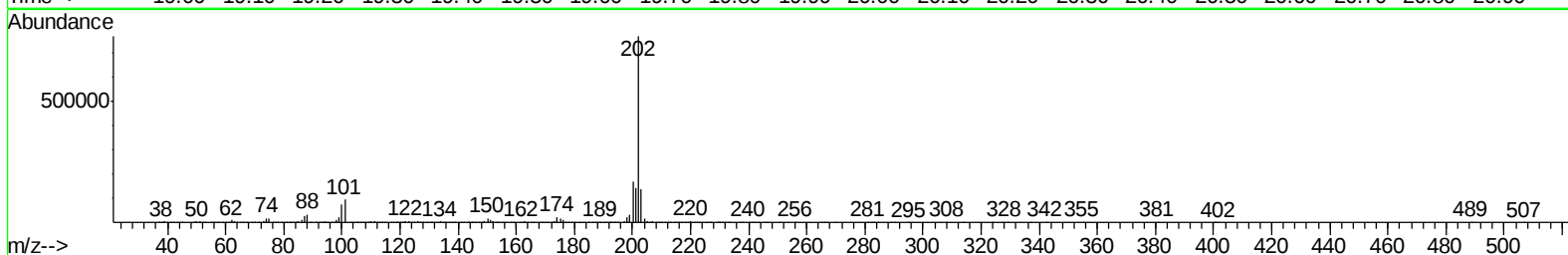
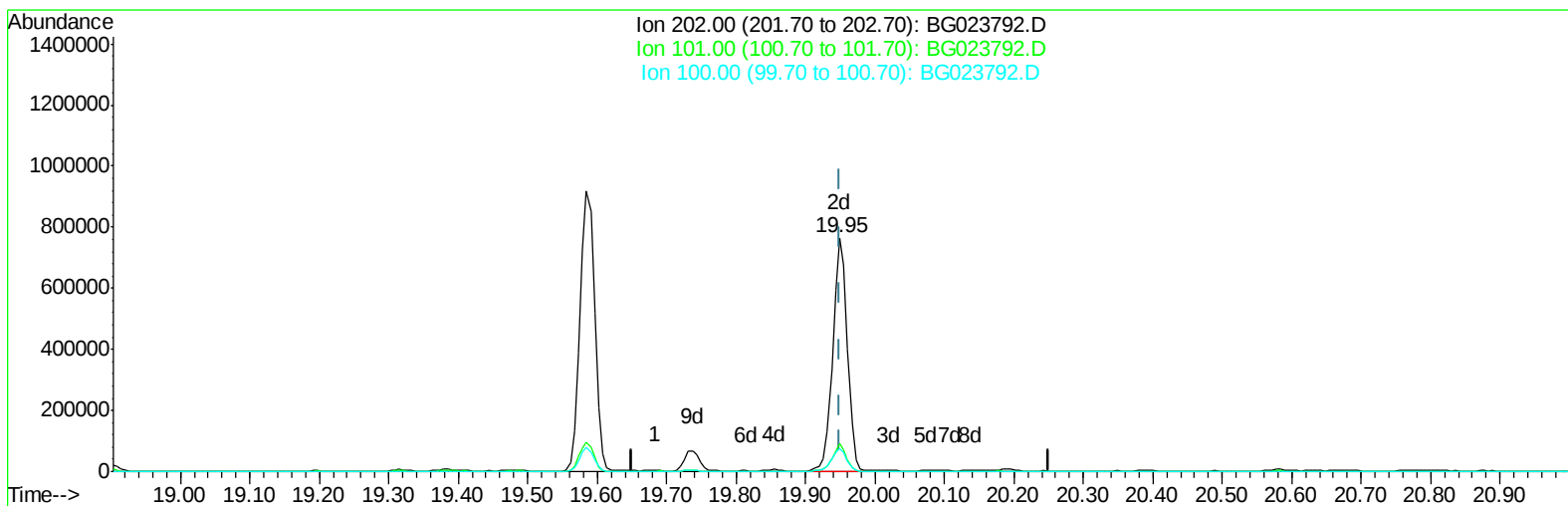
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(77) Pyrene

19.949min (-0.002) 28.52ng/ul m

response 1120522

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	12.17#
100.00	12.80	9.63#
0.00	0.00	0.00

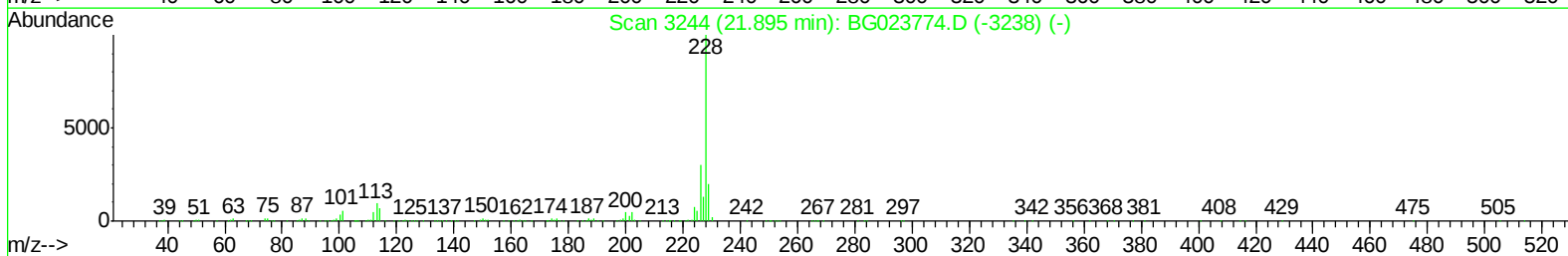
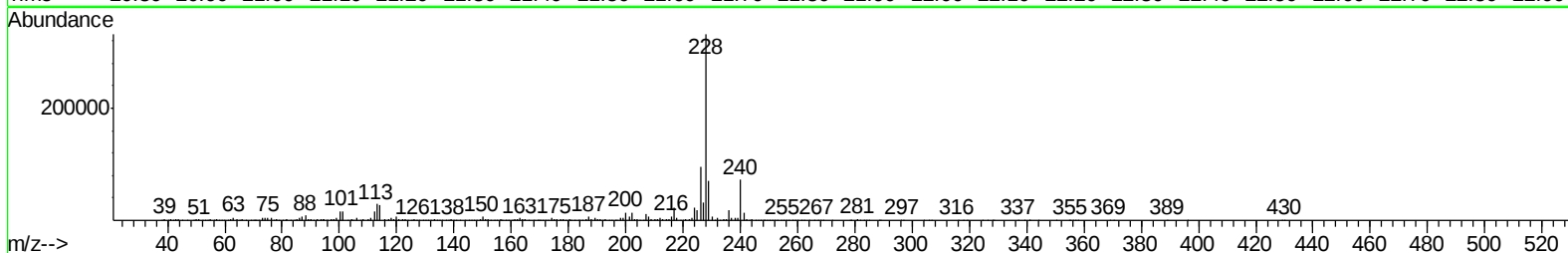
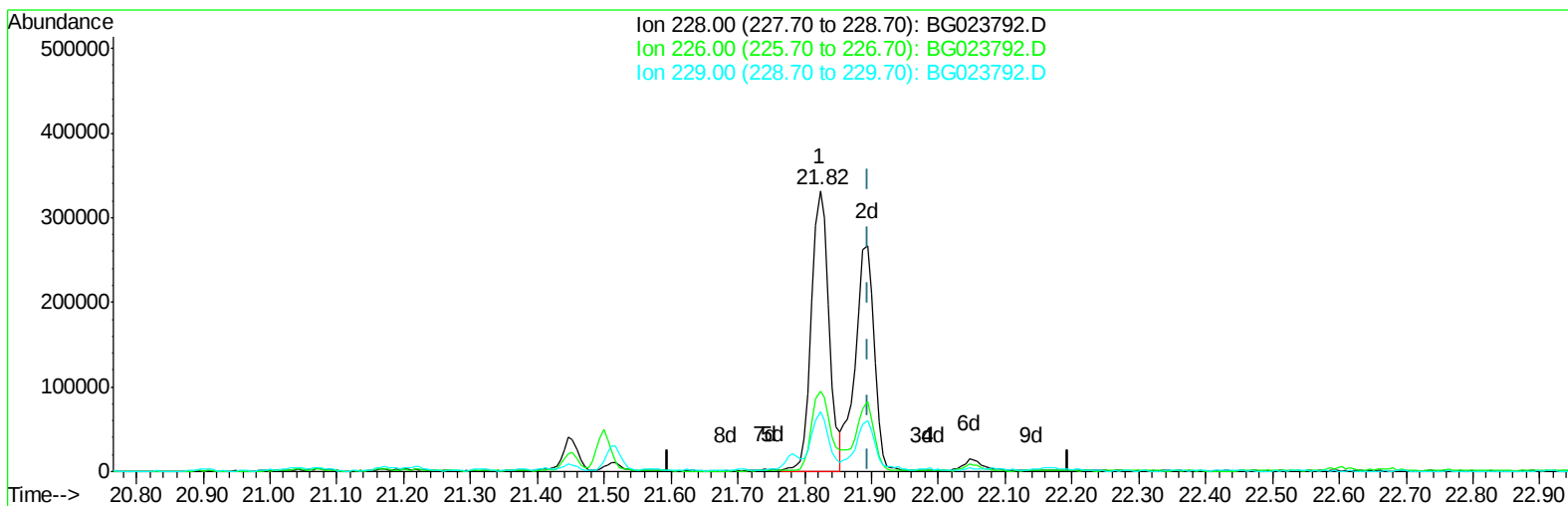
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(82) Chrysene

21.823min (-0.072) 17.04ng/ul

response 589405

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	28.59
229.00	18.80	21.58
0.00	0.00	0.00

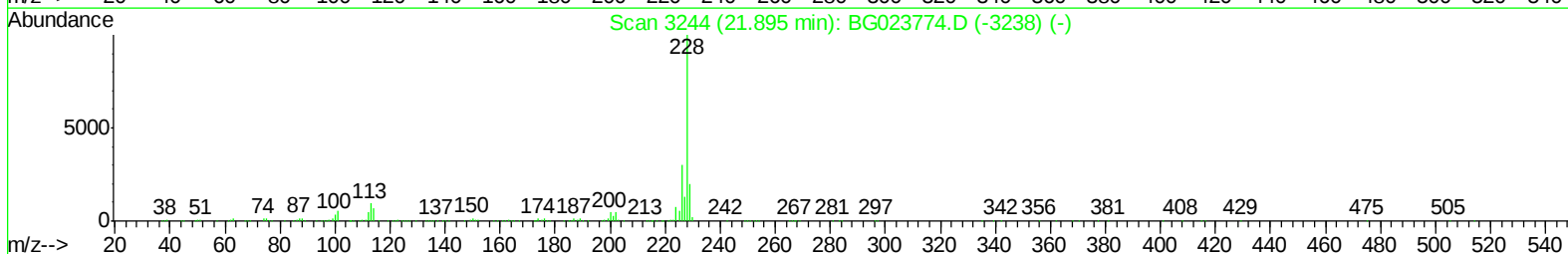
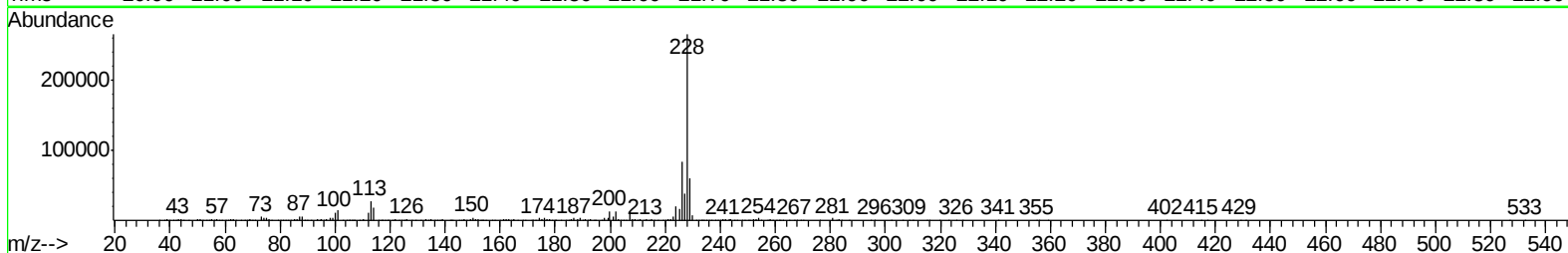
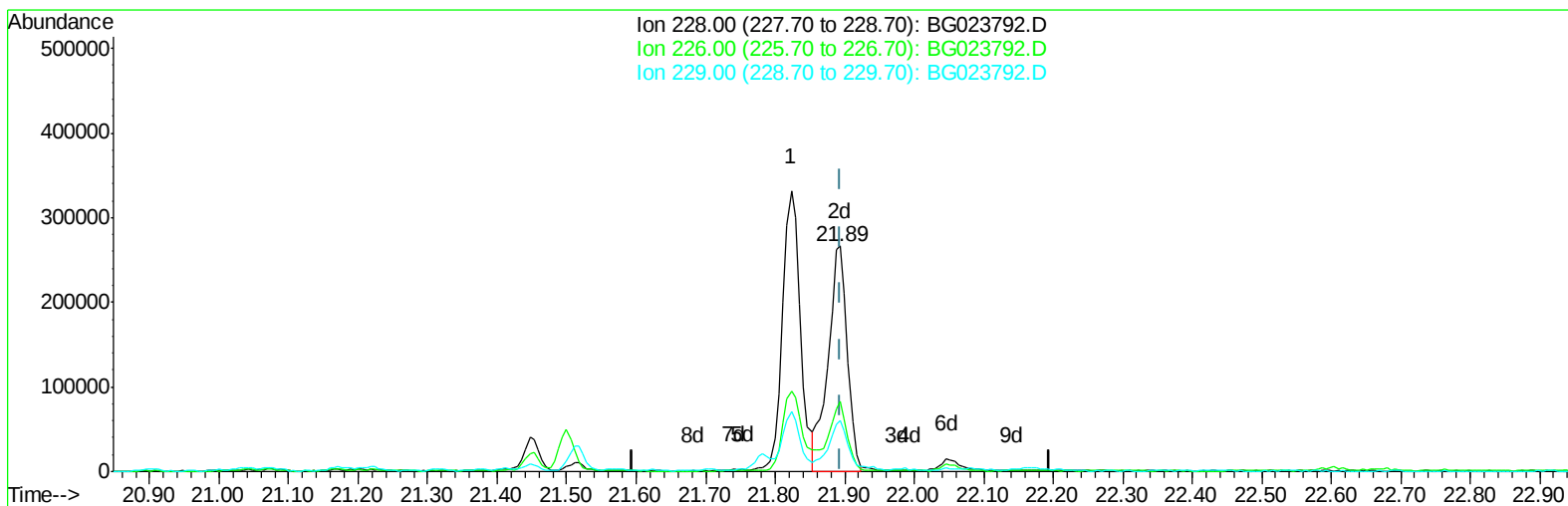
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(82) Chrysene

21.893min (-0.002) 14.91ng/ul m

response 515557

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	31.40
229.00	18.80	22.68#
0.00	0.00	0.00

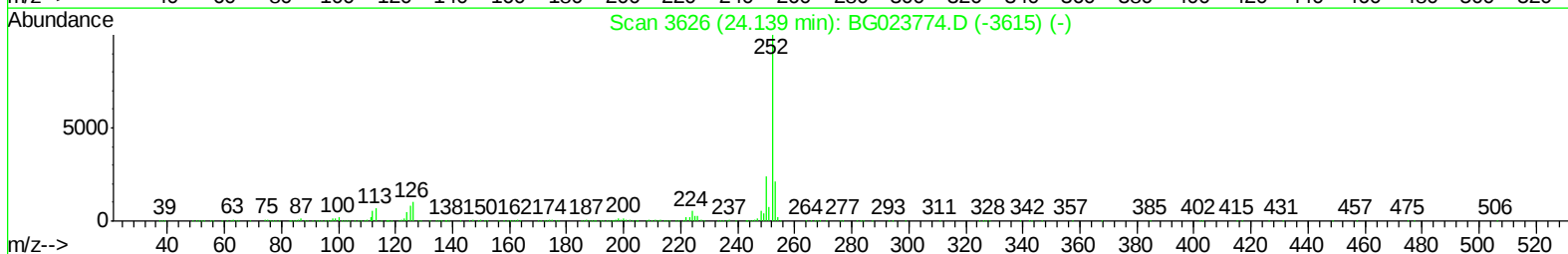
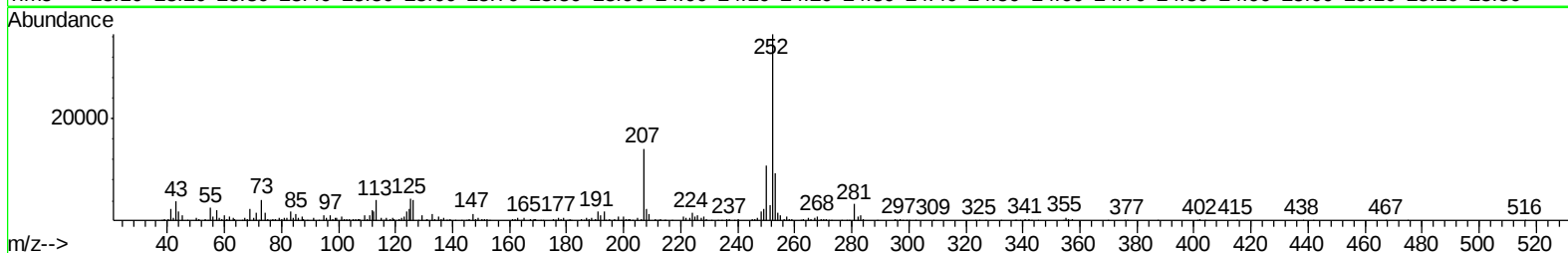
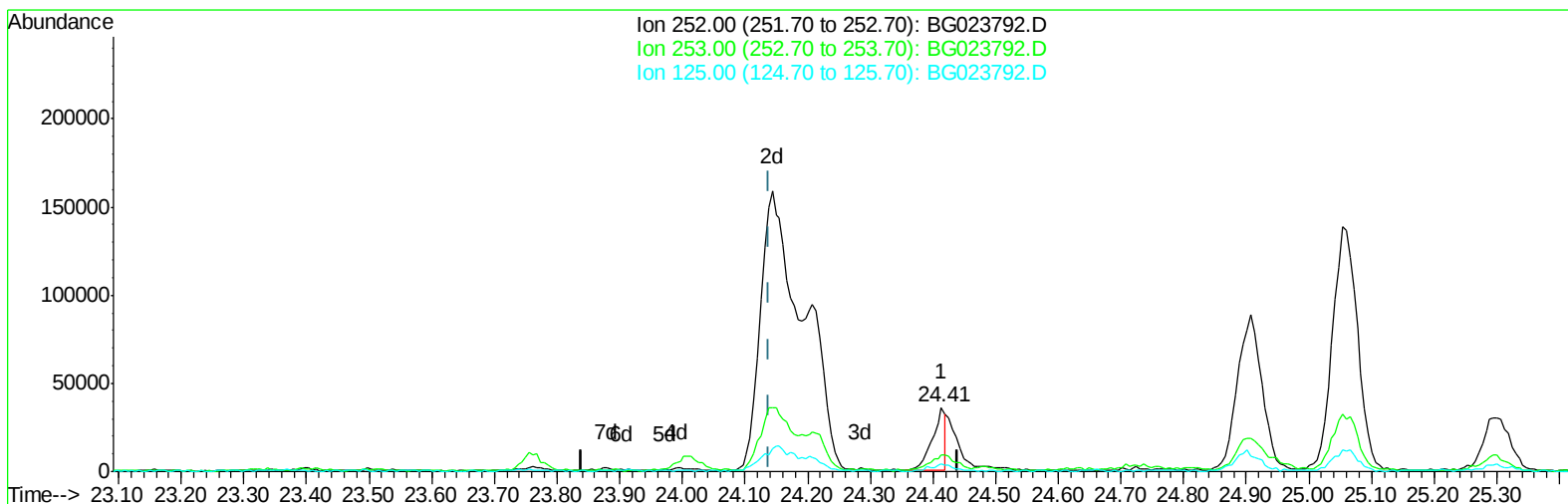
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(85) Benzo(b)fluoranthene

24.414min (+0.274) 1.38ng/ul

response 52911

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.83
125.00	13.50	11.94
0.00	0.00	0.00

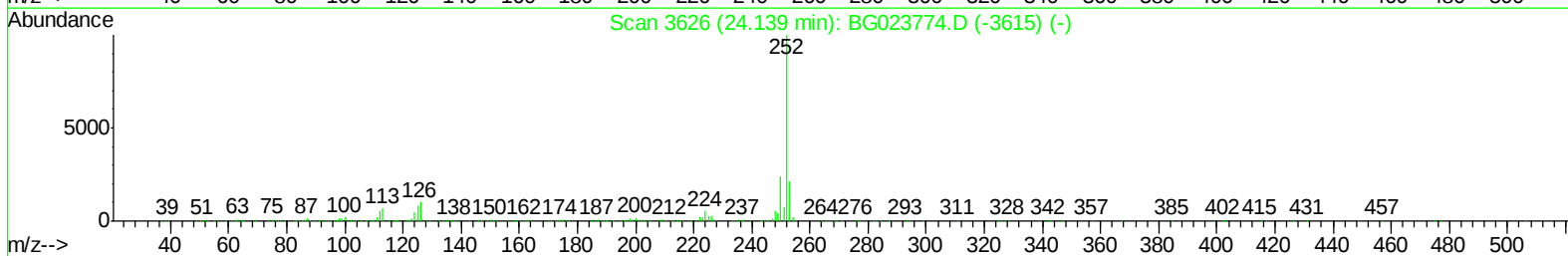
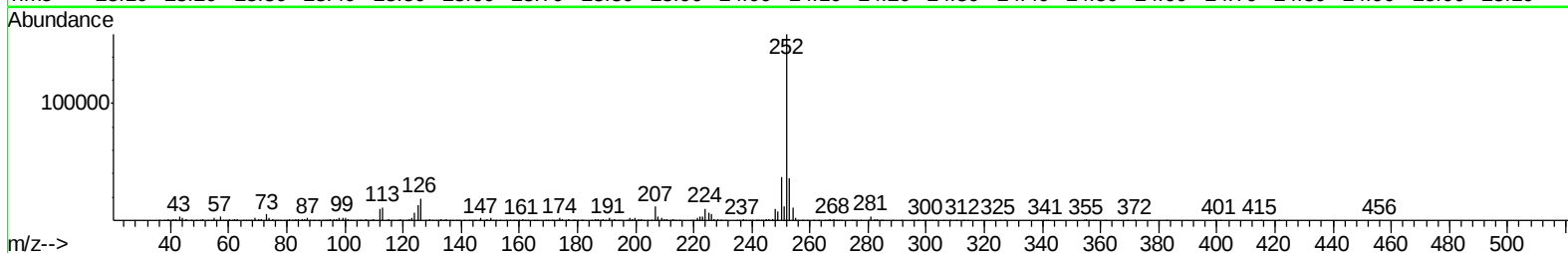
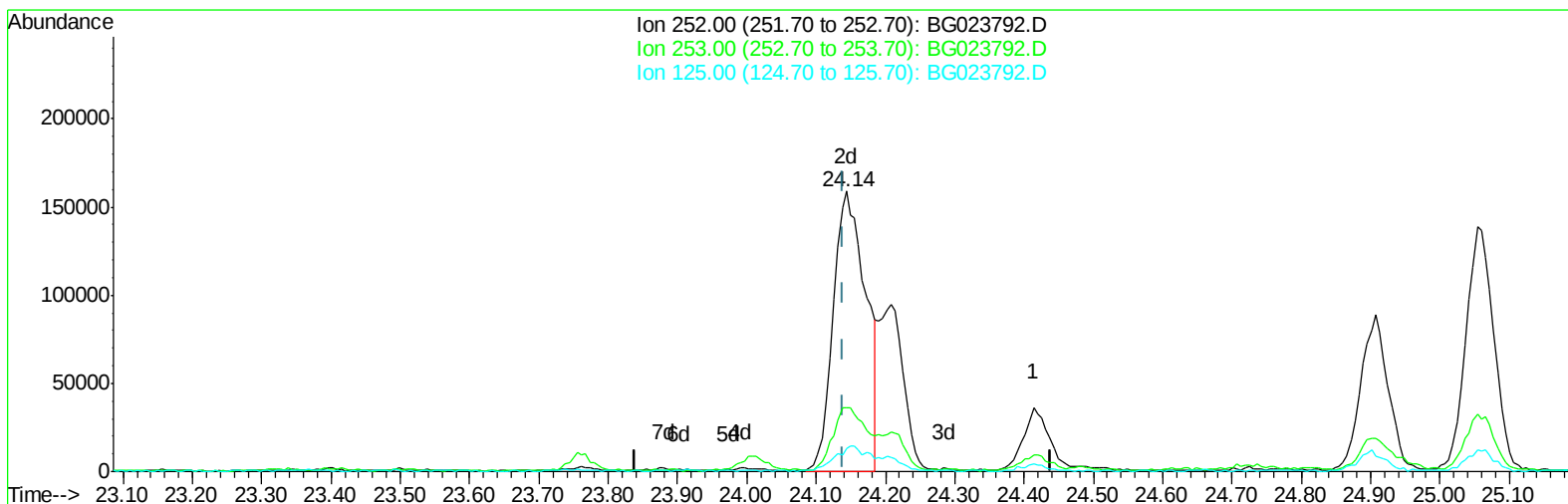
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(85) Benzo(b)fluoranthene

24.143min (+0.004) 13.55ng/ul m

response 520493

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.89
125.00	13.50	8.05#
0.00	0.00	0.00

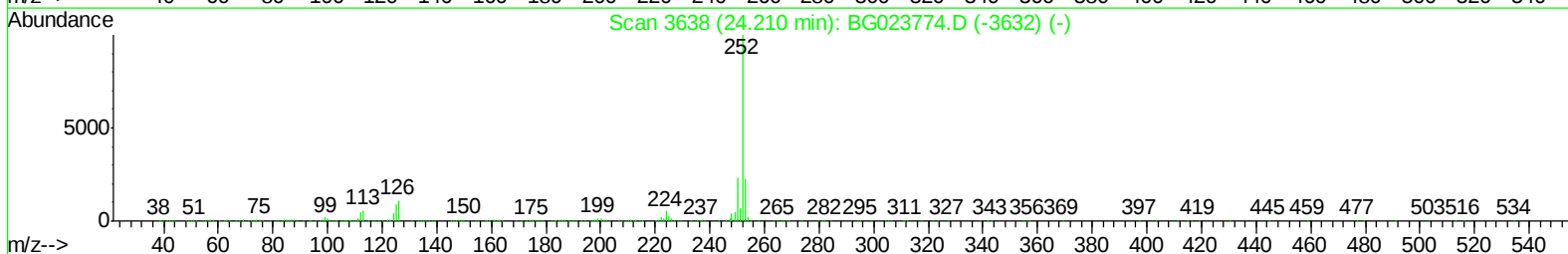
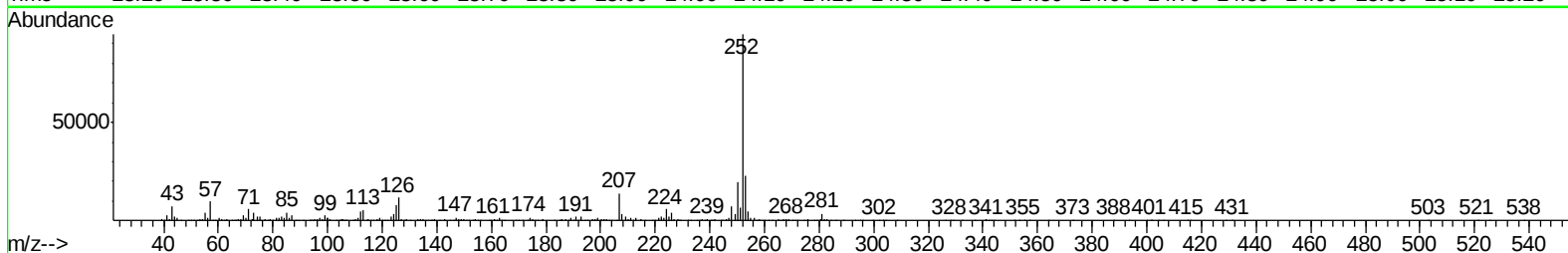
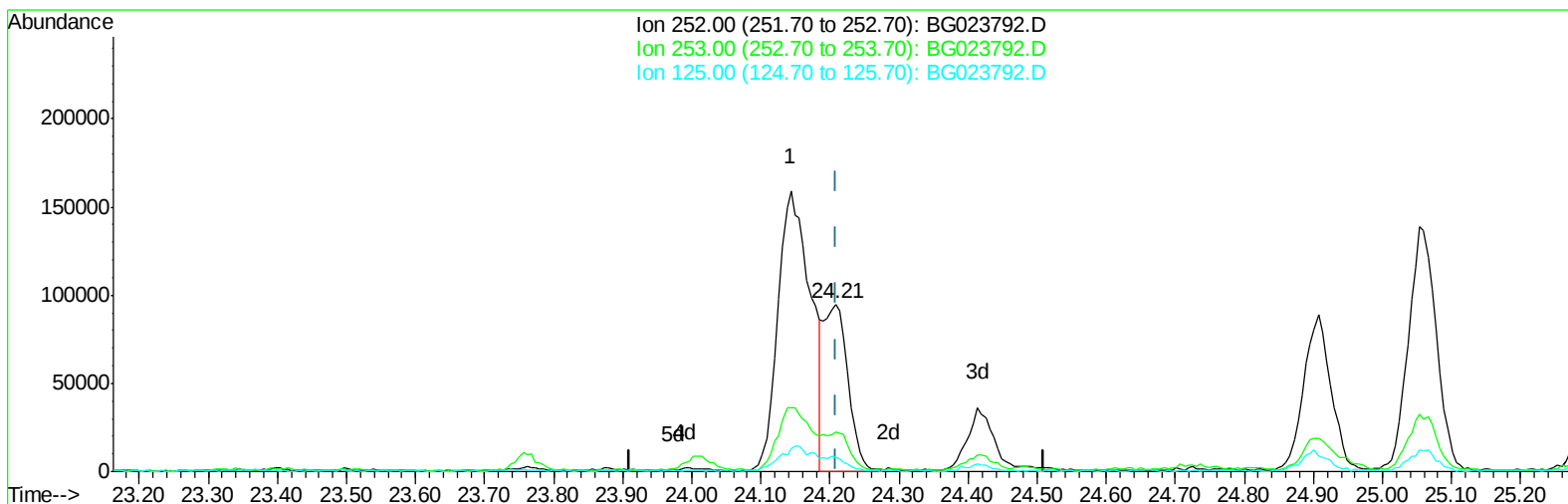
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(86) Benzo(k)fluoranthene

24.208min (-0.002) 6.30ng/ul m

response 233680

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	23.92#
125.00	13.30	8.15#
0.00	0.00	0.00

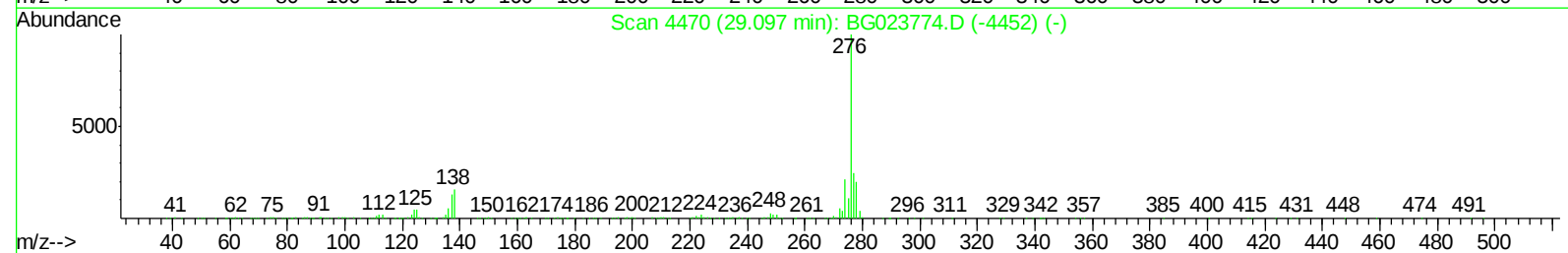
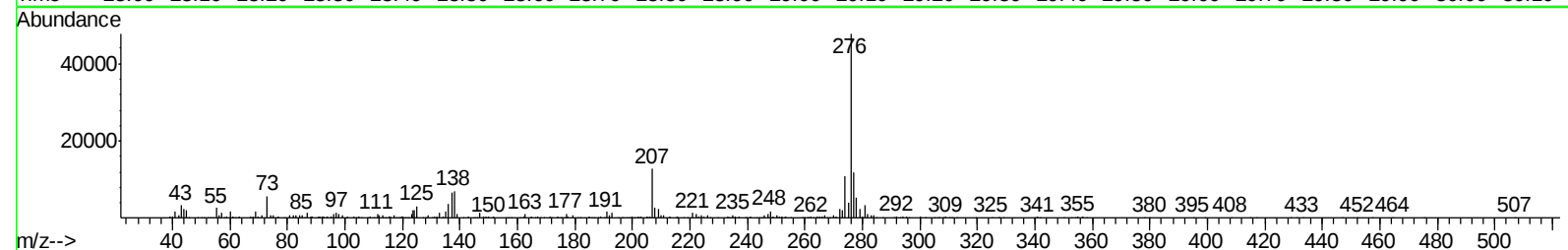
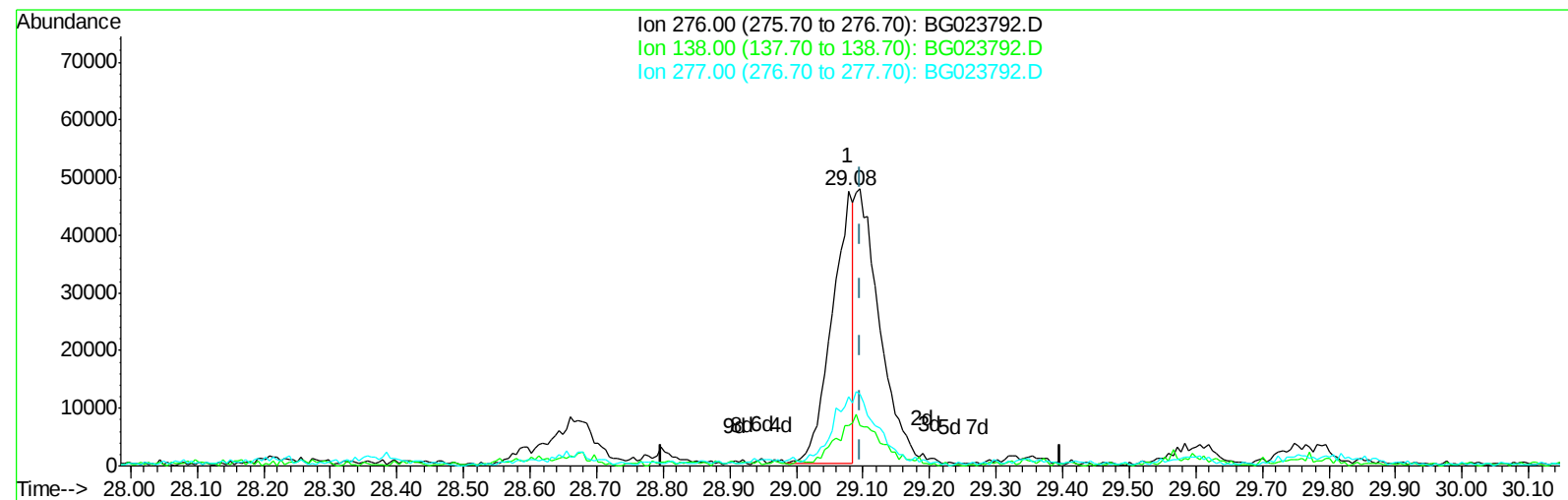
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(89) Indeno(1,2,3-cd)pyrene

29.078min (-0.019) 2.37ng/ul

response 102790

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	14.88#
277.00	22.00	24.97
0.00	0.00	0.00

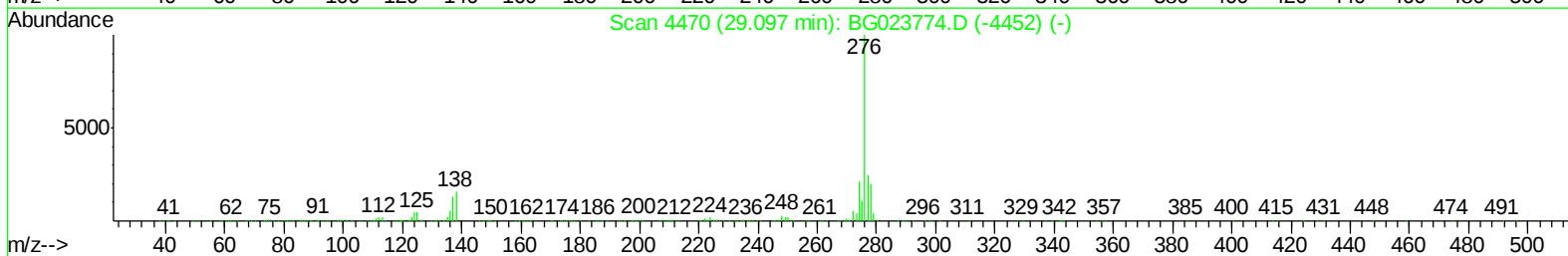
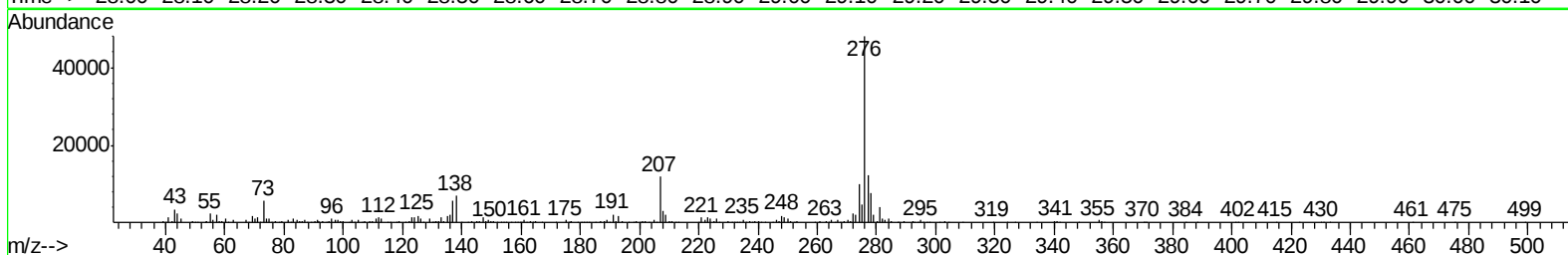
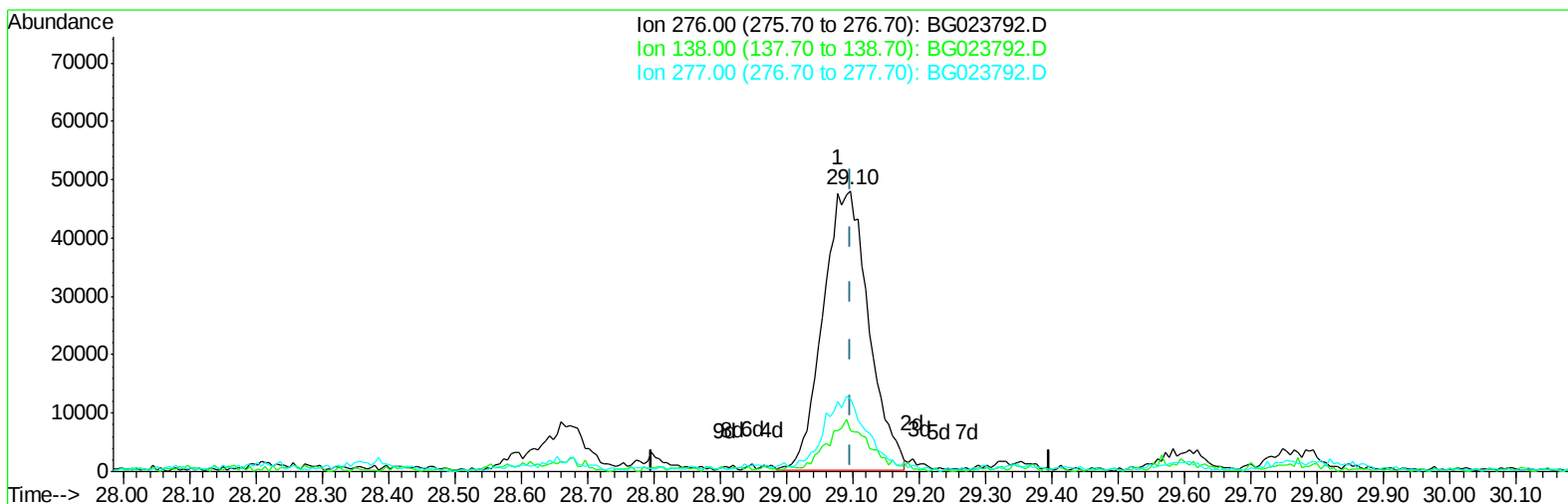
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(89) Indeno(1,2,3-cd)pyrene

29.095min (-0.002) 5.24ng/ul m

response 227013

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	14.58#
277.00	22.00	25.86
0.00	0.00	0.00

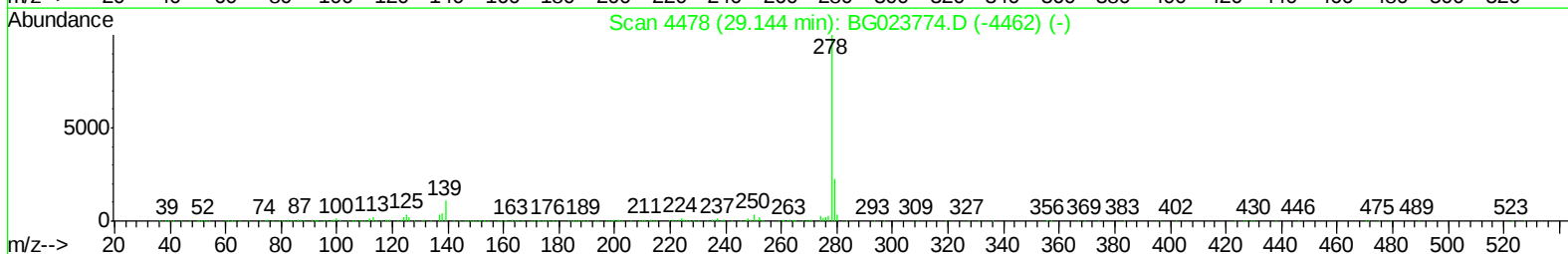
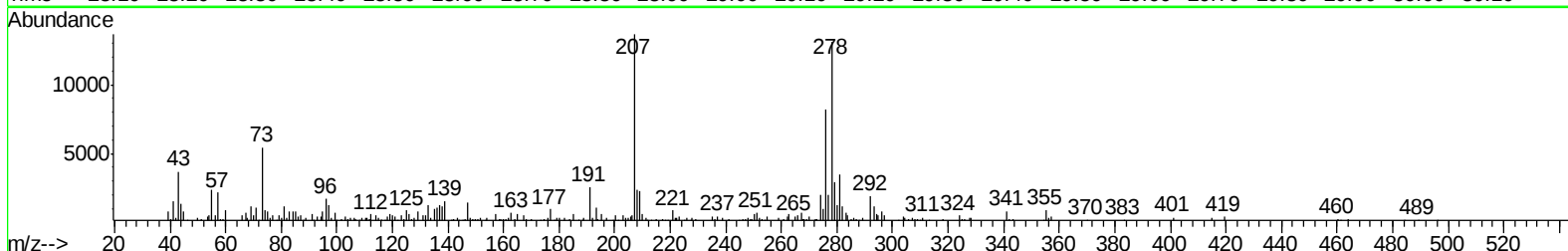
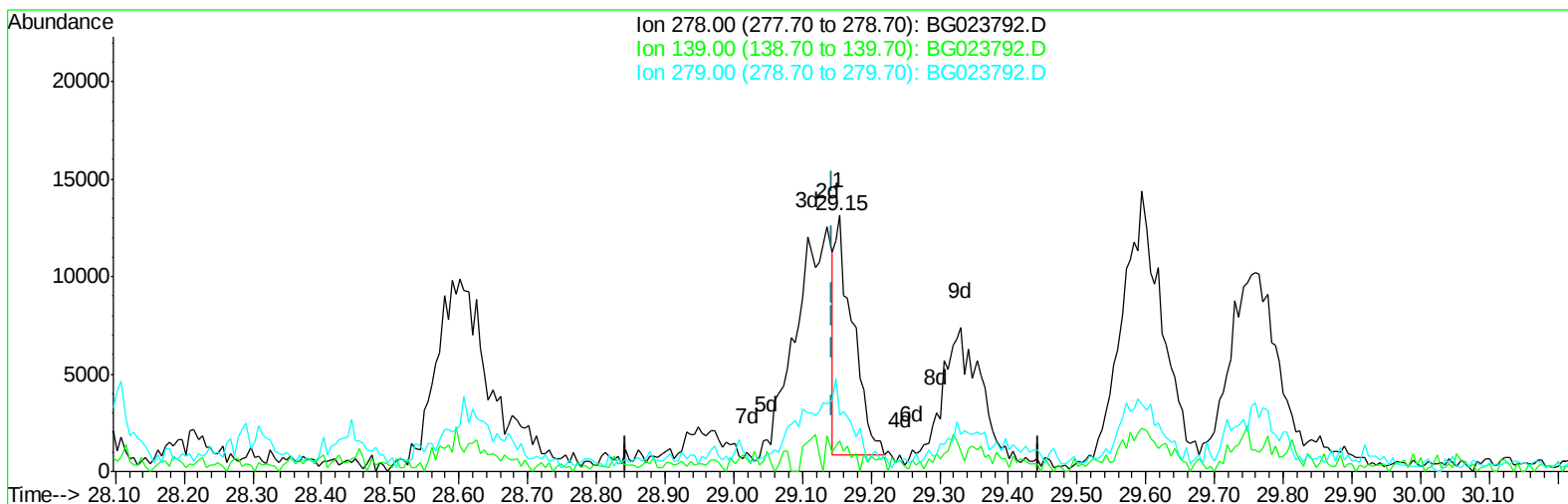
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(90) Dibenzo(a,h)anthracene

29.154min (+0.010) 0.61ng/ul

response 22656

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	12.06#
279.00	23.90	22.08
0.00	0.00	0.00

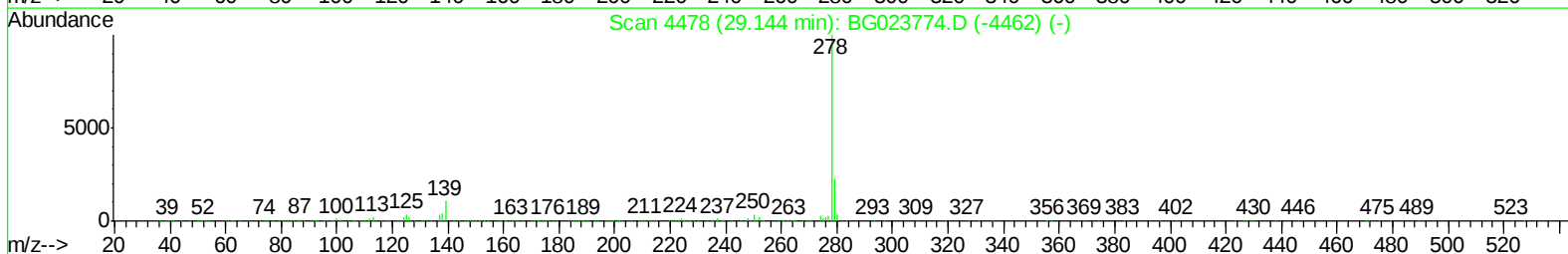
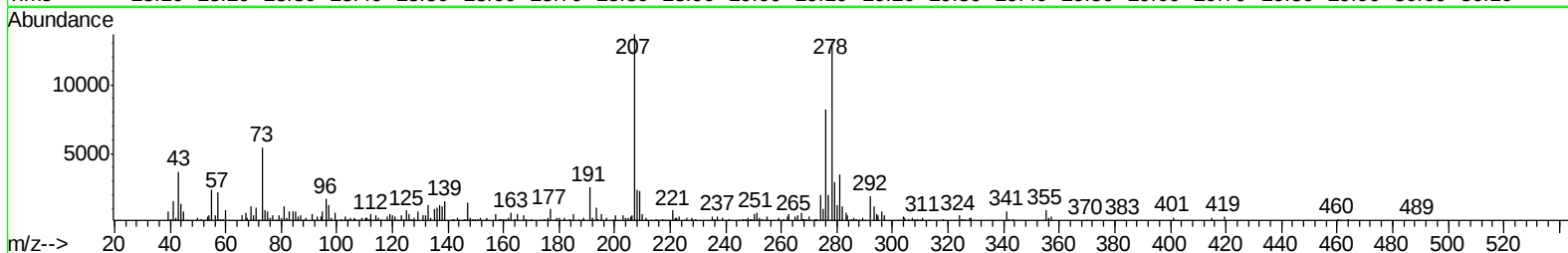
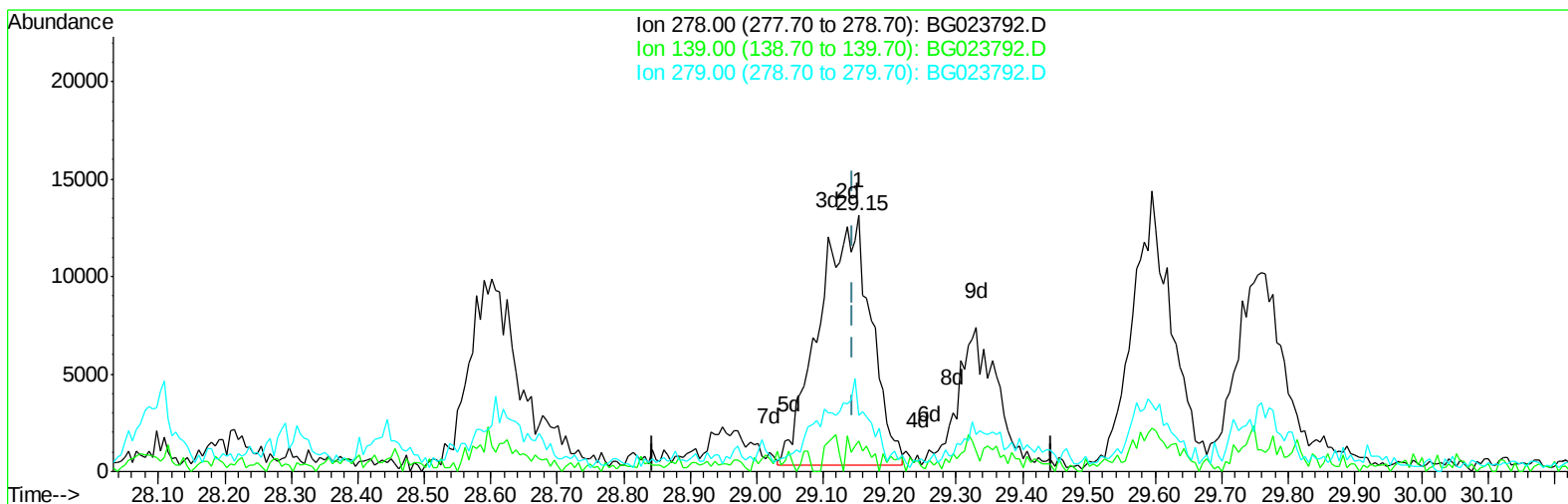
Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
Data File : BG023792.D
Acq On : 19 Aug 2016 12:51
Operator : UM/SJ
Sample : H4385-01DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-0002-01DL

Manual Integrations
APPROVED

sohil
8/19/2016 6:39:12 PM

Quant Time: Aug 19 13:29:36 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:06:00 2016
Response via : Initial Calibration



TIC: BG023792.D

(90) Dibenzo(a,h)anthracene

29.154min (+0.010) 1.87ng/ul m

response 69566

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	12.06#
279.00	23.90	22.08
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG081816\
 Data File : BG023792.D
 Acq On : 19 Aug 2016 12:51
 Operator : UM/SJ
 Sample : H4385-01DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS002-0002-01DL

Manual Integrations
 APPROVED

sohil
 8/19/2016 6:39:12 PM

Quant Time: Aug 19 16:45:03 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 19 04:06:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	87879	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	381469	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	257789	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	632720	20.00	ng/ul	0.00
75) Chrysene-d12	21.84	240	664792	20.00	ng/ul	0.00
83) Perylene-d12	25.22	264	660591	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1261	0.65	ng/uL	0.00
5) Phenol-d5	7.25	99	29973	3.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	23553	4.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	24701	4.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	25553	3.97	ng/ul	0.00
19) Nitrobenzene-d5	9.28	128	12146	3.94	ng/ul	0.00
22) 2-Nitrophenol-d4	10.01	143	17972	5.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.56	165	23466	3.69	ng/ul	0.01
29) 4-Chloroaniline-d4	11.08	131	26877	3.46	ng/ul	0.02
43) Dimethylphthalate-d6	14.16	166	103825	4.86	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	112304	4.64	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	9203m	2.66	ng/ul	0.03
57) Fluorene-d10	15.76	176	86801	4.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.63	188	137308	4.71	ng/ul	0.00
76) Pyrene-d10	19.92	212	156868	4.92	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.98	264	149337	4.94	ng/ul	0.00

Target Compounds

						Ovalue
44) Dimethylphthalate	14.21	163	55431	2.59	ng/ul#	97
47) Acenaphthylene	14.49	152	63183	2.51	ng/ul	94
49) Acenaphthene	14.83	153	25869	1.53	ng/ul	93
53) Dibenzofuran	15.17	168	40384	1.64	ng/ul	97
58) Fluorene	15.82	166	93158	4.68	ng/ul	89
69) Phenanthrene	17.58	178	956935	28.57	ng/ul	98
71) Anthracene	17.66	178	226436	6.57	ng/ul	99
72) Carbazole	17.95	167	42024	1.50	ng/ul	94
74) Fluoranthene	19.58	202	1354753	37.97	ng/ul#	93
77) Pyrene	19.95	202	1120522m	28.52	ng/ul	
80) Benzo(a)anthracene	21.82	228	586394	15.26	ng/ul	98
82) Chrysene	21.89	228	515557m	14.91	ng/ul	
85) Benzo(b)fluoranthene	24.14	252	520493m	13.55	ng/ul	
86) Benzo(k)fluoranthene	24.21	252	233680m	6.30	ng/ul	
88) Benzo(a)pyrene	25.05	252	384232	10.42	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	29.10	276	227013m	5.24	ng/ul	
90) Dibenzo(a,h)anthracene	29.15	278	69566m	1.87	ng/ul	
91) Benzo(g,h,i)perylene	30.31	276	175680	4.90	ng/ul#	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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